



# MATERIAL SAFETY DATA SHEET

CONFORMS TO DIRECTIVE 2001/58/EC AMENDING DIRECTIVE 91/155/EEC

## Section 1. Identification of the Company and the Preparation

Product Name **JAX PYRO-KOTE FG ISO 68 AND 220**

Revision Date **3/5/2009**

Supersedes Date **3/4/2009**

Supplier **JAX INC.  
W134 N5373 CAMPBELL DRIVE  
MENOMONEE FALLS, WI 53051 USA**

Product No. **PKFGK; PKFGN**

Material Use **Incidental food contact lubricant**

Non-Emergency Contact Phone: 1-800-782-8850 (North America) +01-262-781-8850 (International)

Fax: 1-262-781-3906 (North America) +01-262-781-3906 (International)

In Case of Emergency CHEMTREC: 1-800-424-9300 (North America) +01-703-527-3887 Collect (International)

## Section 2. Composition / Information on Ingredients

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Components listed below either meet the reporting requirements as specified in U.S. 29 CFR 1910.1200 or EU Directive 1999/45/EC as amended, or are reported for informational purposes only.

Ingredient*	%	PEL/TLV, Source	CAS #	EINECS #	EU Hazard Symbol	R-Phrases**
Non-hazardous formulated lubricant	100	NE	Mixture	N/E	None	None

\*See Section 11 for LD<sub>50</sub> and LC<sub>50</sub> of ingredients.

\*\*See Section 16 for full text of R-Phrases.

## Section 3. Hazards Identification

Physicochemical Hazards Not physicochemically hazardous per EU Directive 1999/45/EC definitions.

Human Health Hazards See Section 11.

Environmental Hazards No data available

## Section 4. First Aid Measures

Eye Contact Remove contact lenses, if wearing, and flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

Skin Contact For skin contact, wipe away excess material with dry towel. Then wash affected areas with plenty of water, and mild soap if available, for several minutes. Get medical attention if irritation occurs.

Ingestion If swallowed, observe victim for 24 hours; seek medical attention if indicated. If vomiting occurs, keep head lower than hips to prevent aspiration.

**NOTE TO PHYSICIAN:** Treatment based on sound judgment of physician and individual reactions of patient. Contains a minimal amount of triphenyl phosphate which has been reported to be a weak cholinesterase inhibitor in humans. Atropine and/or pralidoxime may be antidotal in cases with ingestion of a large amount of this product if cholinesterase inhibition is suspected.

Inhalation If exposed to excessive levels of material in the air, move the exposed person to fresh air. If breathing is difficult, give oxygen; seek medical attention if respiratory difficulties continue. If not breathing, give artificial respiration and seek medical attention immediately.

## Section 5. Firefighting Measures

Flash Point 554°F (290°C) min., ASTM D 92

Autoignition Temperature N/A

Sensitive to Mechanical Impact No

Sensitive to Static Discharge Sensitivity to static discharge is not expected.

Lower Flammability Limit Not available

Upper Flammability Limit Not available

Extinguishing Media Water fog, carbon dioxide, foam, dry chemical

Special Hazards Containers can build up pressure if exposed to heat (fire). Use water spray to cool containers and structures exposed to fire. Fire involving large amounts of material should not be approached because individual containers may rupture abruptly causing "fireball" effect.

Products of Combustion No unusual decomposition products are known.

Special Protective Equipment for Firefighters Firefighters should wear full protective clothing, including helmet, and NIOSH-approved self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.

## Section 6. Accidental Release Measures

Personal Precautions Extinguish all sources of ignition. Provide sufficient ventilation and/or respiratory protection. Wear appropriate protective clothing, gloves, face mask, goggles/glasses to prevent contact with the eyes and skin. See Section 8.

<b>Environmental Precautions</b>	Keep product out of sewers and watercourses by diking or impounding. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.
<b>Methods for Clean-Up</b>	Recover free product using non-sparking tools. Add sand, earth, or other suitable absorbent material to the spill area. Dispose of in accordance with national and/or local regulations relating to waste disposal.

## Section 7. Handling and Storage

<b>Handling</b>	Keep container closed when not in use. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material.
<b>Storage</b>	Store in tightly sealed containers. Store in a cool, dry place out of direct sunlight. Do not store near heat, sparks, open flame, pilot lights, static electricity, or where temperature may exceed 49°C (120°F). Rotate stock.

## Section 8. Exposure Controls / Personal Protection

<b>Occupational Exposure Limit</b>	5 mg/m <sup>3</sup> (oil mist) is the recommended exposure limit for total product; see Section 2 for component exposure limit(s).
<b>Respiratory Protection</b>	None required under normal conditions of use.
<b>Ventilation</b>	Use in a well-ventilated area. See Engineering Controls.
<b>Protective Gloves</b>	Use gloves as a standard industrial handling procedure.
<b>Eye Protection</b>	Chemical splash goggles or face shield are advised when eye contact may occur.
<b>Personal Hygiene</b>	Wash skin thoroughly after contact, before breaks and meals and at the end of work period.
<b>Engineering Controls</b>	None required under normal conditions. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

## Section 9. Physical and Chemical Properties

<b>Appearance/Odor</b>	Clear, yellow-amber liquid with characteristic odor	<b>Vapor Pressure</b>	N/A
<b>pH</b>	N/A	<b>Solubility in Water</b>	Insoluble
<b>Boiling Point</b>	N/A	<b>Density</b>	8.1 - 8.3 lbs/US gallon (typical)
<b>Oxidizing Properties</b>	Not an oxidizer	<b>Viscosity</b>	N/A
<b>Percent Volatile</b>	N/A	<b>Vapor Density</b>	N/A
<b>Coefficient of Water/Oil Distribution</b>	N/A	<b>Evaporation Rate</b>	N/A
<b>Partition Coefficient: n-octanol/water</b>	N/A	<b>Physical State</b>	Liquid

## Section 10. Stability and Reactivity

<b>Conditions and Materials to Avoid</b>	None known.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.
<b>Hazardous Decomposition Products</b>	No unusual decomposition products are known.

## Section 11. Toxicological Information

<b>Routes of Entry</b>	Skin contact, eye contact, ingestion and inhalation.
<b>Skin</b>	May cause slight irritation.
<b>Eye</b>	May cause slight irritation and redness.
<b>Ingestion</b>	Single dose oral toxicity is relatively low. Small amounts swallowed incidental to normal handling is not likely to cause injury; swallowing amounts larger than that may cause irritation of the digestive tract. Aspiration into lungs can cause pneumonitis, which can be fatal. <b>NOTE TO PHYSICIAN:</b> Contains a minimal amount of triphenyl phosphate that has been reported to be a weak cholinesterase inhibitor in humans. Atropine and/or pralidoxime may be antidotal in cases with ingestion of a large amount of this product if cholinesterase inhibition is suspected.
<b>Inhalation</b>	Not expected to present an inhalation exposure risk at ambient temperatures. If vapors or mists are created upon heating or by mechanical means, those vapors or mists may cause irritation of the breathing passages.

**Acute Toxicity / LD<sub>50</sub> and LC<sub>50</sub> of Ingredients**

Ingredient	LD <sub>50</sub>	LC <sub>50</sub>
Non-hazardous formulated lubricant	N/A	N/A

**Chronic Toxicity / Carcinogenicity**

Ingredient	CAS #	NTP Known Carcinogen	NTP Anticipated Carcinogen	IARC Group
Non-hazardous formulated lubricant	Mixture	No	No	None

**Section 12. Ecological Information**

<b>Ecotoxicity</b>	N/A	<b>Bioaccumulative Potential</b>	N/A
<b>Mobility</b>	N/A	<b>Persistence and Degradability</b>	N/A

**Section 13. Disposal Considerations**

**Waste Disposal** Consult national or regional authorities for proper disposal and reporting procedures. All disposals must comply with national and regional regulations.

**Section 14. Transportation Information**

Dangerous goods descriptions may not reflect package size, quantity, end-use or region-specific exceptions that can be applied to shipments. Consult shipping documents for material-specific descriptions.

**U.S. D.O.T.**

**Proper Shipping Name:** Not regulated  
**UN Number:** None  
**Hazard Class:** None  
**Packing Group:** None  
**Remarks** None

**Land Transport ADR/RID**

**Proper Shipping Name** Not regulated  
**UN Number** None  
**Hazard Class** None  
**Packing Group** None

**Maritime Transport IMDG**

**Proper Shipping Name** Not regulated  
**IM Number** None  
**IMDG Code** None  
**Packing Group** None

**Air Transport IATA**

**Proper Shipping Name** Not regulated  
**UN Number** None  
**Hazard Class** None  
**Packing Group** None  
**Remarks** None

**Section 15. Regulatory Information**

**U.S. Federal Regulations**

**CERCLA** Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is regulated by 40 CFR 302.4 :  
None

**SARA (Section 313)** This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations:  
None

**SARA Extremely Hazardous List** This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List:  
None

**TSCA Inventory** All components of this material are on the U.S. TSCA Inventory.

**State Regulations**

**California Prop. 65** This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm:  
None

**European Community Regulations**

The content and format of this Material Safety Data Sheet are in accordance with Commission Directive 2001/58/EC, amending for the second time Commission Directive 91/155/EEC.

**European Community Label Requirements**

**Danger Symbol(s)** None

**S-Phrase(s)** None required

**R-Phrase(s)** None required

**Canada** This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the MSDS contains all of the information required by the *CPR*.

**Section 16. Other Information**

**Component R-Phrase(s)** None

**HMIS® Ratings** Health: **1** Fire: **1** Physical Hazard: **0**  
HMIS® Ratings: 0 = Minimal Hazard; 1 = Slight Hazard; 2 = Moderate Hazard; 3 = Serious Hazard; 4 = Severe Hazard

**Abbreviations that May Be Used in this Document** N/A = Not available  
N/E = Not established

**Sections Revised** New MSDS format

**Revision Date** 3/5/2009

The information and recommendations contained herein are, to the best of Behnke Lubricant Inc.'s knowledge and belief, accurate and reliable as of the date issued. Behnke Lubricants Inc. makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and Behnke Lubricants Inc. shall not be liable for any loss or damage based up on the criteria supplied by the developers of these rating systems, together with Behnke Lubricants Inc.'s interpretation of the available data.

\*\*\* END OF MSDS \*\*\*



INDUSTRIAL LUBRICANTS (UK) LIMITED  
Tel. 08701 632933 Fax. 08701 632933  
sales@indlub.co.uk www.indlub.co.uk